

Title (en)
POKE-IN ELECTRICAL CONNECTOR

Title (de)
EINSTECKBARER ELEKTRISCHER VERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE ENFICHABLE

Publication
EP 3465827 A1 20190410 (EN)

Application
EP 17724922 A 20170509

Priority
• US 201615166520 A 20160527
• IB 2017052704 W 20170509

Abstract (en)
[origin: US9673542B1] A poke-in electrical connector includes a housing having a cavity and a poke-in wire channel open to the cavity. The wire channel receives an electrical wire during a poke-in termination. The housing has a bottom with an opening. A poke-in electrical contact is received in the cavity and held by the housing. The poke-in electrical contact includes a base and an arm extending from the base. The base extends through the opening at the bottom for surface mounting to a circuit board. The base has a generally planar solder pad exposed at the bottom for soldering to the circuit board. The arm has a poke-in beam engaging the electrical wire when poked-in to the corresponding wire channel. The arm is movable to a clearance position to release the poke-in beam from the electrical wire to allow the electrical wire to be removed from the wire channel.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 12/51** (2011.01); **H01R 12/57** (2011.01)

CPC (source: EP US)
H01R 4/48185 (2023.08 - US); **H01R 4/4821** (2023.08 - EP); **H01R 4/48275** (2023.08 - US); **H01R 4/4848** (2023.08 - EP);
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 9673542 B1 20170606; CN 109314323 A 20190205; EP 3465827 A1 20190410; WO 2017203379 A1 20171130

DOCDB simple family (application)
US 201615166520 A 20160527; CN 201780032434 A 20170509; EP 17724922 A 20170509; IB 2017052704 W 20170509